



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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APPLICATION OF : Li Xing and Robert C. Glen

TITLE : Method For Accurately Estimating pK_a Of Molecules Using Atom Type Definitions And Partial Least Squares

SERIAL NO. : 09/626,099

FILING DATE : July 26, 1999

ART UNIT : 1631

EXAMINER : Jerry Lin

ATTORNEY DOCKET NO. : 3017-43

#71A
Plunkett
1-25-02

TO: Assistant Commissioner for Patents
Washington, DC 20231

Dear Sir:

RESPONSE TO OFFICE ACTION DATED JULY 13, 2001

AMENDMENTS

Amendments to claims 1 and 2 are presented below with new words underlined and deleted words bracketed. In accordance with the revised Patent Office Rules, accompanying this Response is a clean copy of the amended claims without the revisions. Also attached is a compare copy of the claim showing where revisions were made.

Please amend without prejudice claim 1 and 2 as follows:

1.(amended) A software implemented methodology for determining the pK_a of a molecule of interest comprising the following steps:

a)[.] determine the hierarchical atom type connectivity tree noting the number of

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